

IN THE CLAIMS:

Please cancel claims 1-5 without prejudice to or disclaimer of the subject matter recited therein.

Please add new claims 6-12 as follows:

LISTING OF CURRENT CLAIMS

Claims 1-5. (Canceled)

Claim 6. (New) A phone secretarial function extension device for a hand-free set and a cellular phone comprising:

- a) a freely portable remote controller having:
 - i) remote control unit; and
 - 5 ii) a man-to-machine interface controlling the remote control unit;
 - b) an input/output interface having a plurality of connection lines connected to a plurality of phone connection lines of a signal terminal of the cellular phone; and
 - 10 c) a receiver connected to the hand-free set and the input/output interface, and having:
 - i) remote control signals receiving and processing units; and
 - 15 ii) a dialing controlling unit remotely controlled by the remote controller to send signals to the cellular phone and selectively putting the cellular phone in a dialing status,
- wherein, when the man-to-machine interface is activated, the remote control unit transmits remote control signals to the receiver, the receiver receives the remote control signals, and the dialing controlling unit transmits dialing signals to the cellular phone and puts the cellular phone in the dialing status.

Claim 7. (New) The phone secretarial function extension device according to claim 6, wherein the remote controller is a wireless remote controller.

Claim 8. (New) The phone secretarial function extension device according to claim 6, wherein the remote controller is a wired remote controller.

Claim 9. (New) The phone secretarial function extension device according to claim 6, wherein the remote controller comprises:

- a) a power supply processing unit connected to an external power source;
- 5 b) a light detecting and light transmitting control unit;
- c) a dialing code unit;
- d) a signal transmitting unit;
- e) a signal transmission control unit connected to the dialing controlling unit and the signal transmitting unit and controlling the signal transmission unit;
- 10 f) an AD/DA conversion unit;
- g) a man-to-machine interface control circuit connected to the man-to-machine interface;
- h) a digital signal processing unit connected to the AD/DA conversion unit;
- 15 i) a microphone amplifying circuit connected to the AD/DA conversion unit;
- j) a microphone connected to the microphone amplifying circuit;
- k) a speaker control and amplifying circuit connected to the AD/DA conversion unit;
- 20 l) a speaker connected to the speaker control and amplifying circuit; and
- m) a chief remote control unit connected to the power supply processing unit, the light detecting and light transmitting control unit, the dialing code unit, the man-to-machine interface control circuit, and the digital signal processing unit.
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Claim 10. (New) The phone secretarial function extension device according to claim 6, wherein the receiver comprises:

- a) a charging and power processing unit connected to the input/output interface;
- 5 b) an infrared receiving unit receiving signals from a signal transmitting unit of the remote controller;
- c) a dual tone multiple frequency generator;
- d) a communication detecting unit;
- e) a first connection unit connected to the hand-free device;
- 10 f) a second connection unit connected to the input/output interface; and
- g) a chief receiving control unit connected to the charging and power processing unit, the infrared receiving unit, the dual tone multiple frequency generator, the communication detecting unit, the first connection unit, and the second connection unit.

Claim 11. (New) The phone secretarial function extension device according to claim 6, wherein the input/output interface comprises:

- a) a voice signal output line connected at a first end to the receiver and at a second end to the signal terminal of the cellular phone, and having an amplifier and a capacitor serially connected thereto;
- 5 b) a voice signal input line connected at a first end to the receiver and at a second end to the signal terminal of the cellular phone, and having an amplifier and a capacitor serially connected thereto;
- c) a charging line connected at a first end to the receiver and at a second end to the signal terminal of the cellular phone;
- 10 d) a charging control circuit connected to the charging line;
- e) a charging control line connected at a first end to the receiver and at a second end to the charging control circuit;
- f) a chief control unit;
- 15 g) a dialing control line connected at a first end to the dialing controlling unit and at a second end to the chief control unit;

- h) a common dialing signal line connected at a first end to the dialing controlling unit and at a second end to the chief control unit;
- 20 i) a flag pole control line connected at a first end to the receiver and at a second end to the chief control unit;
- j) a cellular phone working synchronic signal input line connected at a first end to the chief control unit and at a second end to the signal terminal of the cellular phone; and
- 25 k) a cellular phone analog signal input line connected at a first end to the chief control unit and at a second end to the signal terminal of the cellular phone.

Claim 12. (New) The phone secretarial function extension device according to claim 6, wherein the input/output interface comprises:

- a) an AD conversion unit;
- b) a programmable logic IC;
- 5 c) a shift temporary register connected to the AD conversion unit and the programmable logic IC;
- d) a voice signal output line connected at a first end to the receiver and at a second end to the AD conversion unit, and having an amplifier and a capacitor serially connected thereto;
- 10 e) a voice signal input line connected at a first end to the receiver and at a second end to the AD conversion unit, and having an amplifier and a capacitor serially connected thereto;
- f) a charging line connected at a first end to the receiver and at a second end to the signal terminal of the cellular phone;
- 15 g) a charging control circuit connected to the charging line;
- h) a charging control line connected at a first end to the receiver and at a second end to the charging control circuit;
- i) a chief control unit;
- 20 j) a dialing control line connected at a first end to the dialing controlling unit and at a second end to the chief control unit;

- k) a common dialing signal line connected at a first end to the dialing controlling unit and at a second end to the chief control unit;
- l) a flag pole control line connected at a first end to the receiver and at a second end to the chief control unit;
- 25 m) a cellular phone signal input line connected at a first end to the programmable logic IC and at a second end to the signal terminal of the cellular phone; and
- n) a shift control line connected at a first end to the shift temporary register and at a second end to the signal terminal of the cellular
30 phone.